

## Ocean County, New Jersey

### DoeA—Downer sandy loam, 0 to 2 percent slopes

#### Map Unit Setting

*National map unit symbol:* rdtk

*Elevation:* 0 to 170 feet

*Mean annual precipitation:* 28 to 59 inches

*Mean annual air temperature:* 46 to 79 degrees F

*Frost-free period:* 161 to 231 days

*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Downer and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Downer

##### Setting

*Landform:* Knolls, low hills

*Landform position (three-dimensional):* Nose slope, interfluve

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Parent material:* Loamy fluviomarine deposits and/or gravelly fluviomarine deposits

##### Typical profile

*Ap - 0 to 10 inches:* sandy loam

*Bt1 - 10 to 16 inches:* sandy loam

*Bt2 - 16 to 36 inches:* sandy loam

*C1 - 36 to 48 inches:* loamy sand

*C2 - 48 to 80 inches:* stratified sand to sandy loam

##### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.60 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water storage in profile:* Moderate (about 6.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 1

*Hydrologic Soil Group:* A

## Minor Components

### **Mullica, rarely flooded**

*Percent of map unit:* 5 percent

*Landform:* Depressions, flood plains, drainageways

*Landform position (two-dimensional):* Toeslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Concave, linear

*Across-slope shape:* Concave, linear

### **Sassafras**

*Percent of map unit:* 5 percent

*Landform:* Knolls, low hills

*Landform position (two-dimensional):* Summit, backslope

*Landform position (three-dimensional):* Interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

### **Woodstown**

*Percent of map unit:* 5 percent

*Landform:* Drainageways, flats

*Landform position (two-dimensional):* Toeslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Linear

*Across-slope shape:* Concave, linear

## Data Source Information

Soil Survey Area: Ocean County, New Jersey

Survey Area Data: Version 13, Sep 17, 2015